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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,075	01/08/2004	Holger Hoppe	543822003100	5426

25227 7590 06/09/2006

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EXAMINER

ABRAMS, NEIL

ART UNIT	PAPER NUMBER
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2839

DATE MAILED: 06/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/753,075

Applicant(s)

HOPPE, HOLGER

Examiner

Neil Abrams

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-10, 14-15 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Grabbe 369 alone or taken in view of Volz and Isasc.
2. Grabbe socket 20, figures 5-7 is to receive component 2 and includes pins 40 which include portions 50,51 that extend from the housing floor 28 and are bent back upward at 56, are connected to device, pcb 14 by solderless surface mounting and that are arranged at an angle of 30 degrees with respect to socket x-axis. For claims 1-10, 14, all features appear disclosed by Grabbe since test, burn-in, aspect is functional and defines no structure over Grabbe and since semiconductor not positively recited. Should the testing aspect be at issue and for method claim 15 note that Grabbe does not disclose testing use. Isasc and Volz use sockets for testing. Obvious to use Grabbe socket for semiconductor testing in view of Volz and Isasc. This would only be a standard use for such sockets. Such use covers the claim 15 method steps. Other aspects, should issues arise deemed obvious variations. For claim 5, obvious to use copper as it is a standard material for electrical contacts.
3. Claims 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claim 1 above, and further in view of Grabbe 826.
4. Grabbe 369 includes fasteners, clamps at 12 but their use is not clear. Grabbe 826 uses fasteners at 20. Isasc uses these at 46. Obvious to add same to Grabbe 360 to secure the socket 20 to the pcb.

5. Claims 1-10 and 14-15 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over McHugh alone or taken in view of Olz and Isasc.

6. McHugh, figure 6, socket includes pins 5 that are to engage component 7 and that extend below socket surface at 533 and that turns upward, that engages device 9 by solderless surface mounting, and are oriented at an angle of about 45 degrees, figure 3. All claims 1-10, 14 features taught by McHugh since test aspect provides no structure over McHugh. For claim 5 obvious to use copper as that is standard contact material

7. As alternative for claims 1-10, 14 and for claim 15, McHugh does not disclose testing steps, however Volzi and Isasc use test steps. Obvious to so use the McHugh socket as that would be a standard use for such sockets.

8. Claims 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over the references as applied to claim 1 either manner above, and further in view of Grabbe 826.

9. McHugh lacks a device (screw) for pressing the pin against the device (pcb) 9. Isasc at 46 and Grabbe at 20 use such clamping screws. Obvious to use same in McHugh to secure the socket to the pcb.


10. Arguments are moot in view of new references applied. Arguments are based primarily on the oblique contact arrangement feature, however such arrangements are very well known as shown above. Also see Neidich 513, figure 1, Grabbe, 826, figure 2A, Neidich 507, figure 1, Grabbe 598, figure 4, Harper, figure 1b, Laub figure 4.

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11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Neil Abrams at telephone number 571-272-2089

  
NEIL ABRAMS  
PRIMARY EXAMINER